



**2<sup>nd</sup> SEM. 2017/2018**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: B. Sc. ANIMAL SCIENCE AND ANIMAL  
SCIENCE (DAIRY OPTION) YEAR IV**

**COURSE CODE: AS 406**

**TITLE OF PAPER: LIVESTOCK AND THE ENVIRONMENT**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN  
GRANTED BY THE CHIEF INVIGILATOR**

**QUESTION 1**

Discuss how livestock production contributes to climate change.

(25 marks)

**QUESTION 2**

Discuss the effect of livestock production on the environment.

(25 marks)

**QUESTION 3**

Briefly discuss the effect of climate change on livestock production.

(25 marks)

**QUESTION 4**

Write short notes on the following:

- a. The Green-house effect
- b. The classification of livestock production systems

(20 marks)

(5 marks)

**QUESTION 5**

Discuss the different adaptation strategies that can be used to ensure that livestock adapt to climate change.

(25 marks)